

Title (en)

IMAGE PROCESSING METHOD, APPARATUS AND DEVICE

Title (de)

BILDVERARBEITUNGSVERFAHREN, -VORRICHTUNG UND -EINRICHTUNG

Title (fr)

PROCÉDÉ, APPAREIL ET DISPOSITIF DE TRAITEMENT D'IMAGE

Publication

EP 3859670 A1 20210804 (EN)

Application

EP 19873919 A 20190618

Priority

- CN 201811199234 A 20181015
- CN 2019091717 W 20190618

Abstract (en)

The present invention provides an image processing method. A target area and a background area are determined in an image by performing mask segmentation on the image. Different color processing modes are applied to the target area and the background area, so that luminance of the target area is greater than luminance of the background area, or chrominance of the target area is greater than chrominance of the background area, and a main object corresponding to the target area is more prominently highlighted. This enables a terminal user to have a movie special effect during photographing or video photographing, and improves photographing experience of the user. In addition, the present invention further a method for determining a target area by time period and/or a method for changing a color processing mode by time period, so that a main object change and a color change of video content are more flexible and automatic, and human-computer interaction is strengthened.

IPC 8 full level

G06T 7/11 (2017.01)

CPC (source: CN EP KR US)

G06F 18/214 (2023.01 - US); **G06N 3/08** (2013.01 - US); **G06T 5/20** (2013.01 - US); **G06T 5/60** (2024.01 - EP); **G06T 5/70** (2024.01 - KR US); **G06T 5/94** (2024.01 - EP US); **G06T 7/11** (2017.01 - CN EP KR); **G06T 7/194** (2017.01 - EP US); **G06T 7/90** (2017.01 - KR); **G06V 20/35** (2022.01 - US); **H04N 5/2621** (2013.01 - US); **H04N 23/61** (2023.01 - US); **G06T 2207/10016** (2013.01 - CN EP); **G06T 2207/10024** (2013.01 - EP); **G06T 2207/20084** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3859670 A1 20210804; **EP 3859670 A4 20211222**; AU 2019362347 A1 20210527; AU 2019362347 B2 20230706; BR 112021007094 A2 20210727; CN 109816663 A 20190528; CN 109816663 B 20210420; CN 112840376 A 20210525; CN 112840376 B 20220809; CN 113112505 A 20210713; CN 113112505 B 20220429; CN 113129312 A 20210716; CN 113129312 B 20221028; JP 2022505115 A 20220114; JP 7226851 B2 20230221; KR 102693692 B1 20240808; KR 20210073568 A 20210618; MX 2021004295 A 20210805; US 12026863 B2 20240702; US 2021241432 A1 20210805; WO 2020078027 A1 20200423

DOCDB simple family (application)

EP 19873919 A 20190618; AU 2019362347 A 20190618; BR 112021007094 A 20190618; CN 201811199234 A 20181015; CN 2019091717 W 20190618; CN 201980068271 A 20190618; CN 202110285512 A 20181015; CN 202110287237 A 20181015; JP 2021521025 A 20190618; KR 20217014480 A 20190618; MX 2021004295 A 20190618; US 202117230169 A 20210414